

Webbing Slings - Metal Type (Mesh, Wire or Chain)

Last Issue Date: 14/01/2011		Type Of Service				
Activity		A	B	C	D	E
1	<p>METAL MESH SLINGS</p> <p>A. Make a thorough inspection of slings and attachments. Items to look for include:</p> <ul style="list-style-type: none"> . Broken wires in any part of the mesh . Broken weld or broken brazed joint along the sling edge . reduction in wire diameter of 25% or more due to abrasion or 15% or more due to corrosion. . Lack of flexibility due to distortion of the mesh. . Distortion of the choker fitting so that the depth of the slot is increased by more than 10%. . Distortion of either fitting so that the width of the eye opening is increased by more than 10%. . A 15% or more reduction of the original cross sectional area of any point around the hook opening of the end fitting. . Visible distortion of either end fitting out of it's plane. . Cracked end fitting . Sling in which the spirals are locked or without free articulation. . Fittings that are pitted, corroded, cracked, bent, twisted, gouged or broken. . Missing or illegible sling identification and.. . Other conditions that cause doubt as to continued use of the sling. <p>Where any such defect or deterioration is present, remove the sling or attachment from service immediately.</p> <p>B. Damaged slings must be discarded or repaired before returning them to service. They can only be returned to service after they are repaired, reconditioned and proof tested by a qualified entity using the following criteria.</p> <ul style="list-style-type: none"> . Do not repair metal mesh used in the sling . Mark repaired slings to indicate the date and nature of the repairs . Retain certificates of proof test and make them available for examination. . Modifications or alterations to end attachments or fittings are considered as a repair. 				Y	
2	<p>WIRE ROPE SLINGS</p> <p>Check for;</p> <ul style="list-style-type: none"> . The presence & legibility of markings in accordance with AS 1666.1. . The load bearing points . Examination of each strand along its length, opening the rope as much as practicable to enable examination of the surfaces of the strands toward the inside of the rope, end fittings and attachments. <p>Note: Wire rope slings constructed of stainless steel or other fatigue prone materials may require periodic inspections at higher frequencies than expected for wire rope slings made of carbon steel complying with AS 1442.</p>				Y	
3	<p>CHAIN SLINGS</p> <ul style="list-style-type: none"> . Sling inspections shall be undertaken in an adequately lit location. . Where necessary, the sling should be cleaned before it is inspected. 				Y	

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	<p>. Every individual chain link should be inspected for any signs of wear, nicks, cracks, gouging, twisting, stretching or lack of articulation between the links. Particular attention should be given to links that have been reeved, due to the possibility of bending or twisting of the engaged link.</p> <p>. Any worn components should be measured to determine the degree of wear, which shall not exceed that allowed. Wear may be tolerated until the thickness of any worn section has been reduced by 10% of the nominal section in any plane. Wear by contact with other objects usually occurs on the outside of the straight portions of the links where it is easily seen and measured. Wear between adjoining links is hidden. The chain should be slack and adjoining links rotated to expose the inner end of each link.</p> <p>. Upper and lower terminal fittings should be inspected for any signs of wear at their load bearing points, for nicks, cracks, gouging, stretching or distortion.</p> <p>. Connecting devices shall be inspected for any signs of wear at their load bearing points; any excessive play of the load pin within the body halves, nicks, cracks, gouging, distortion or any impaired rotation of the body halves around the load pin.</p>					
4	A sling inspection record to be provided for each sling and record results in log book.				Y	

Special Comments and Technical Data

D SERVICE ANNUAL IN EDUCATIONAL FACILITIES
 FOR OTHER FACILITIES SERVICE FREQUENCY DEPENDS ON FREQUENCY
 OF USE, SEVERITY OF SERVICE & NATURE OF LIFTS BEING MADE.
 TESTING SHALL BE CARRIED OUT AS PER RELEVANT STANDARDS.

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